Annual Index to Western Industry Editorial Articles, 1949 **Subjects**

	Issue	Page		Issue	Page
AIRCRAFT			How Taft-Hartley Act Worked Out in Southern Cali-		
West's Ingenuity Challenged by U. S. Aircraft			fornia—Fred S. Hoffman - Frank C. Pierson		89
Program—Leland D. Webb	Feb.	35	No Great Changes Under T-H Law-Robert Littler	-	75
CONVENTIONS			Should Overhaul Unemployment—Fred W. Kraft		74
Before You Set Up Your Exhibit Lend an Ear and		10	Use These Powerful Facts to Support Taft-Hartley Act Before You Start Your Pension Plan Listen to Some	April	72
Catch an Eye—E. J. Heimer.	Aug.	42	Good Advice		51
Chemical Show Offers Solution to Liquidate Practical Problems	Oct.	46	Pension Pitfalls Are Numerous	June	74
Packaging Show and Conference Will Help You Do It Cheaper	Aug	44	Wage Rates and Costs		-
Trend Toward Electrical Controls Shown at Exposition		46	California Labor Contracts Account for Paid Holidays		69
Western Metal Congress Prepares For Record 1949		7.	Fringe Benefits Costly Under Current Business Decline Further Break in Established Rates		74 64
Attendance	April	82	In Certain Cases, Overtime on Overtime Need Not Be	Ech	16
FINANCIAL			Paid New Overtime Regulations Issued		46 50
"Pay Heed to These 11 Rules Now Competition Is Here"—T. W. Johnson	Luke	76	Wage Renewal Pattern Continues to Indicate		=0
Timely Tips on Your Income Tax—James G. Smith	Feb.	83	Leveling Off Wage Renewals Indicate Period of Leveling Off		78
MAINTENANCE			Is Here		74 48
Eight Simple Rules for Storage Battery Care	Jan.	65	" " " " " " " " " " " " " " " " " " "		74
Teamwork Makes the Railroad Go and Helps Express			" " "		71
Runs Click		50	и и и		73
Tile Keeps Plant Clean	Feb.	92	" " "		73
Unique Salvage Operation Saves Company \$1,000,000	Mon	50	***************************************		75
Yearly	Nov.	50	" " "		65 52
MANAGEMENT-LABOR RELATIONS			" " "		55
Analysis of Strike Issues			" "		55
Basic Issues of Hawaii Contest	Oct.	54		7	5.5
ILWU Arbitration Record Makes a Very Sad Tale		76	MARKETING		
Lessons for Today's Problems in I.W.W. History in	-		Cement—Does the Northwest Need More Plants to Make It?	Tuno	25
the West	July	71	Manufacturers' Agent Contract Gets New Look		35 84
Long-Run Outcome May Offset Maritime Employers' Mistakes	Ian	59	The Western Steel Market		38
Public Relations Wins for Oil People, But at Some Cost		61	West's Home Market Has Big Potential		
Real Results of Warehouse Strike		57	-Nathanael H. Engle		66
These Coal Miners Are Doing Better Than	1404.	21	Your Added Market on the Pacific Coast	Oct.	38
John L's Men	Dec.	56	MATERIALS HANDLING		
Union Politics, Not Racial Discrimination		50	Angles to Be Considered About Details of Bulk		
Unvarnished Facts About the Oil and Marine Strikes	Jan.	59	Handling-R. J. Cooper	May	52
Apprenticeship			Automatic Palletizing Speeds Up Stowing, Cuts Down Confusion	Tune	44
Apprentice Programs Will Bring Vanishing Craftsmen			Conveyor's Part in Moving Things From Here to There	June	-11
Back-William Harold Oliver	June	40	—L. J. Carson	May	43
I	-		Cost Breakdowns for Electric and Gasoline Lift Trucks	May	48
Incentive.			Cranes and Hoists Save Labor and Promote Safety		55
How to Work the Incentive in an Incentive Plan That	0.		Disposable Paper Pallets Save Time, Money and Goods		41
Works—A. Hawley Incentive Management Works When You Work at It	Uct.	31	High Speed Towing by the Sub Floor Conveyor Method Hot Rock Moving Problem Licked With Rubber Belt		49 92
T. J. Pike	Feb.	32	King Size Handling Problems Solved by Using	-	
Wage Incentive Systems	June	65	Removable Attachments Materials Handling Planning Takes on Major Status	Aug.	40
Industrial Relations and Personnel Management			-A. Mazzola	Jan.	51
Both the Boss and the Help Can Cash in If They Try			Moving Machines Cheaper Than Moving Goods on		
-Robert E. Gross.		43	Short Runs		48
Break-Even Point Must Be Found-E. G. Kenyon	June	72	Navy Figures Man-Hour Costs on Palletized Operations		51
How Management Can Keep From Losing Authority			Oregon Grain Elevator Goes Automatic	Aug.	39
-Alexander R. Heron	Feb.	45	For Loading	Tuly	35
Management and Labor Join in "Out of the Fog" Radiocast	Ech	43	Shipping Problems Shrink With Standardized Crates	Oct.	41
Nathan Report Discredited		50	Standards for Judging Whether Palletizing Will Pay		
Personnel Man's Function Today—Eugene J. Lyons		74	Out—Douglas Watson		38
Pulp and Paper Industry Enjoys Long-Term Peace With			System Cuts Package Handling Costs From 8.4c to 1.8c Take an Overall View of Your Materials Handling		45
Raise Production by Gearing Your Policy to Employee		47	Problem—Roger D. McCoy Tramrail Effects Savings in Repair and Service Shop		41 54
Response—Joseph M. Sharp		42	Typical Jobs That Lift Trucks Perform in the West		37
Trends in Industrial Relations Thinking and Action		72	"We Can Load an Order Faster Than We Can Bill It"		46
Unions Feel They Are Too Often Overlooked		44	Western Rail Stations With Pallet Equipment		53
You Don't Know Why They Join—Leo M. Cherne		72	Will Long-Distance Conveyors Supersede Rail		35
Laws and Legal Decisions			Hauling? Wirebound Crates Save Western Shippers Money	Mar	45
Calif. Processors vs. NLRB vs. Labor Decision Aired	Oct	51	METALS AND METALWORKING		-2
Congressional Thinking on Labor Legislation Revealed		21	Aluminum Products Easy to Make If Proper Technique		
at Tahoe		54	Is Used—Floyd R. Carpenter	Sept	44
Employers Wide Open Legally on Half a Dozen Things		52	Beryllium Copper Molds Reduce Tooling Costs		57
04			Wicompas Isonompas Decem	-	104

Annual Index to Western Industry Editorial Articles, 1949 **Subjects**

	Issue	Page		Issue	Page
AIRCRAFT			How Taft-Hartley Act Worked Out in Southern Cali-		
West's Ingenuity Challenged by U. S. Aircraft			fornia—Fred S. Hoffman - Frank C. Pierson		89
Program—Leland D. Webb	Feb.	35	No Great Changes Under T-H Law-Robert Littler	-	75
CONVENTIONS			Should Overhaul Unemployment—Fred W. Kraft		74
Before You Set Up Your Exhibit Lend an Ear and		10	Use These Powerful Facts to Support Taft-Hartley Act Before You Start Your Pension Plan Listen to Some	April	72
Catch an Eye—E. J. Heimer.	Aug.	42	Good Advice		51
Chemical Show Offers Solution to Liquidate Practical Problems	Oct.	46	Pension Pitfalls Are Numerous	June	74
Packaging Show and Conference Will Help You Do It Cheaper	Aug	44	Wage Rates and Costs		-
Trend Toward Electrical Controls Shown at Exposition		46	California Labor Contracts Account for Paid Holidays		69
Western Metal Congress Prepares For Record 1949		7.	Fringe Benefits Costly Under Current Business Decline Further Break in Established Rates		74 64
Attendance	April	82	In Certain Cases, Overtime on Overtime Need Not Be	Ech	16
FINANCIAL			Paid New Overtime Regulations Issued		46 50
"Pay Heed to These 11 Rules Now Competition Is Here"—T. W. Johnson	Luke	76	Wage Renewal Pattern Continues to Indicate		=0
Timely Tips on Your Income Tax—James G. Smith	Feb.	83	Leveling Off Wage Renewals Indicate Period of Leveling Off		78
MAINTENANCE			Is Here		74 48
Eight Simple Rules for Storage Battery Care	Jan.	65	" " " " " " " " " " " " " " " " " " "		74
Teamwork Makes the Railroad Go and Helps Express			" " "		71
Runs Click		50	и и и		73
Tile Keeps Plant Clean	Feb.	92	" " "		73
Unique Salvage Operation Saves Company \$1,000,000	Mon	50	***************************************		75
Yearly	Nov.	50	" " "		65 52
MANAGEMENT-LABOR RELATIONS			" " "		55
Analysis of Strike Issues			" "		55
Basic Issues of Hawaii Contest	Oct.	54		7	5.5
ILWU Arbitration Record Makes a Very Sad Tale		76	MARKETING		
Lessons for Today's Problems in I.W.W. History in	-		Cement—Does the Northwest Need More Plants to Make It?	Tuno	25
the West	July	71	Manufacturers' Agent Contract Gets New Look		35 84
Long-Run Outcome May Offset Maritime Employers' Mistakes	Ian	59	The Western Steel Market		38
Public Relations Wins for Oil People, But at Some Cost		61	West's Home Market Has Big Potential		
Real Results of Warehouse Strike		57	-Nathanael H. Engle		66
These Coal Miners Are Doing Better Than	1404.	21	Your Added Market on the Pacific Coast	Oct.	38
John L's Men	Dec.	56	MATERIALS HANDLING		
Union Politics, Not Racial Discrimination		50	Angles to Be Considered About Details of Bulk		
Unvarnished Facts About the Oil and Marine Strikes	Jan.	59	Handling-R. J. Cooper	May	52
Apprenticeship			Automatic Palletizing Speeds Up Stowing, Cuts Down Confusion	Tune	44
Apprentice Programs Will Bring Vanishing Craftsmen			Conveyor's Part in Moving Things From Here to There	June	-11
Back-William Harold Oliver	June	40	—L. J. Carson	May	43
I	-		Cost Breakdowns for Electric and Gasoline Lift Trucks	May	48
Incentive.			Cranes and Hoists Save Labor and Promote Safety		55
How to Work the Incentive in an Incentive Plan That	0.		Disposable Paper Pallets Save Time, Money and Goods		41
Works—A. Hawley Incentive Management Works When You Work at It	Uct.	31	High Speed Towing by the Sub Floor Conveyor Method Hot Rock Moving Problem Licked With Rubber Belt		49 92
T. J. Pike	Feb.	32	King Size Handling Problems Solved by Using	-	
Wage Incentive Systems	June	65	Removable Attachments Materials Handling Planning Takes on Major Status	Aug.	40
Industrial Relations and Personnel Management			-A. Mazzola	Jan.	51
Both the Boss and the Help Can Cash in If They Try			Moving Machines Cheaper Than Moving Goods on		
-Robert E. Gross.		43	Short Runs		48
Break-Even Point Must Be Found-E. G. Kenyon	June	72	Navy Figures Man-Hour Costs on Palletized Operations		51
How Management Can Keep From Losing Authority			Oregon Grain Elevator Goes Automatic	Aug.	39
-Alexander R. Heron	Feb.	45	For Loading	Tuly	35
Management and Labor Join in "Out of the Fog" Radiocast	Ech	43	Shipping Problems Shrink With Standardized Crates	Oct.	41
Nathan Report Discredited		50	Standards for Judging Whether Palletizing Will Pay		
Personnel Man's Function Today—Eugene J. Lyons		74	Out—Douglas Watson		38
Pulp and Paper Industry Enjoys Long-Term Peace With			System Cuts Package Handling Costs From 8.4c to 1.8c Take an Overall View of Your Materials Handling		45
Raise Production by Gearing Your Policy to Employee		47	Problem—Roger D. McCoy Tramrail Effects Savings in Repair and Service Shop		41 54
Response—Joseph M. Sharp		42	Typical Jobs That Lift Trucks Perform in the West		37
Trends in Industrial Relations Thinking and Action		72	"We Can Load an Order Faster Than We Can Bill It"		46
Unions Feel They Are Too Often Overlooked		44	Western Rail Stations With Pallet Equipment		53
You Don't Know Why They Join—Leo M. Cherne		72	Will Long-Distance Conveyors Supersede Rail		35
Laws and Legal Decisions			Hauling? Wirebound Crates Save Western Shippers Money	Mar	45
Calif. Processors vs. NLRB vs. Labor Decision Aired	Oct	51	METALS AND METALWORKING		-2
Congressional Thinking on Labor Legislation Revealed		21	Aluminum Products Easy to Make If Proper Technique		
at Tahoe		54	Is Used—Floyd R. Carpenter	Sept	44
Employers Wide Open Legally on Half a Dozen Things		52	Beryllium Copper Molds Reduce Tooling Costs		57
04			Wicompay Industry December	-	104

	Issue	Page		Issue	Page
Carbides in Die Field		35	Helicopters Sow Seeds at Less Than 1/3 Cost of	0.	,,
Combinations With Ceramics—John F. Crane	Sept.	36	No Adequate Approach to Water Conservation	Oct.	44
Copper Furnace Brazing Useful in Metal Combinations —George F. Brown	Mar	37	—Dr. J. R. Mahoney	May	56
Drawing and Stamping of Small Parts to Precision	AVAGE .	31	Oil Man Declares Plenty in Reserve-Marion Dice		61
Tolerances	June	37	Solution of Northwest Power Problem Is Difficult	,	
Exploring the Possibilities in Light Metals Welding			—L. E. Karrer	Mar.	51
-A. R. Hard	Feb.	29	Western Gas Supply Perplexing Problem	16	10
Electropolishing of Metal Offers Process Cheaper Than	Oct	42	—Clifford Johnstone What It Takes For a Greater Western Chemical	мау	60
Burnishing—Willard G. Axtell Forged Hoes Competitive With Castings; Quality Is	Oct.	42	Industry—George L. Parkhurst	April	33
Higher	June	39		P	-
Forgings Need More Strength-Richard W. Hargis		37	SAFETY AND HEALTH	A*1	0.6
Foundries Find Fertile Field in Nodular Iron Castings			Industrial Hygiene Facilities Established in Oakland In the Good Old Summer Time Watch Your Safety	April	85
—E. K. Smith	Sept.	38	Program—Harry Hunter	Tuly	46
Hot Dip Galvanizing Aids Life, Opens Uses for Iron, Steel—William A. Grange	Sent	48		3	
Low Ductile Alloys Form Complex Shapes, Using New	ocpu		TRANSPORTATION	-	10
Technique—John F. Tyrrell	Nov.	35	Check Freight Rate Spiral by Revising Canal Tolls How the West Fares on Freight Rates	Dec.	40
More Metal in Building-John M. Marchi	Sept.	37	—James C. Nelson	May	64
Myriad Uses For Alloys—James B. Morey New Metal Evaporation Process Coats Non-Metallic	Sept.	35	How Much It Costs to Ship by Motor Truck		39
Surfaces	April	46	Solving Basing Point Problem by New Laws Not So		
Putting Shine on Stainless Steel Weakens All But Sales			Easy—Floyd A. Bond.		27
Appeal—Keith F. Finley		47	Short Haul Volume Swings From Rails to Trucks		40
Receptive to New Processes—Don Rosenblatt	Sept.	35	Tank Trucks Facilitate Liquid Sugar Distribution		85
T. H. Gray	Sept.	55	TECHNICAL ARTICLES-MISCELLANEO	-	
Same Cost, Higher Sales Appeal With Proper Copper			Airplane Discovery Applied to Evaporative Cooling	Mar.	96
Alloy—J. A. Kavenaugh	Sept.	40	Atoms in Engines.	Mar.	77
Specification Zinc Base Alloy Developed Through Re-	Come	50	Fido Fights Fog and Wins		90 91
search—Leslie Larrieu Technological Gap Too Wide—Arthur S. Coffinberry	Sept.	50 34	New Method of Rust Prevention Incorporated in	I CD.	71
Things Helpful to Know About the Manufacture of	ocp.		Wrapping		56
Steel—Hubert C. Swett	April	37	New Process For Plywood Molding Trims Competition	Nov.	52
Things Helpful to Know About the Manufacture of	Y	40	Odorless Dehydrator Eliminates Smoke Fumes Practical Solutions For Tricky Manufacturing Prob-	Маг.	92
Steel—Hubert C. Swett		42 36	lems: Packaging Wrinkle Ironed Out—N. E. Blazer	Tuly	78
	oept.	50	Production Bottleneck Drilled Through-G. W. Hilton	July	79
PRODUCTION			Pump Problems Now Simplified—W. F. Schaphorst	June	95
A Production Study: Overhauling Airlift Planes in Oakland—Ralph A. Frey	Tester	20	Wandering Watchbird	April	94
	July	29	when resented comes in the boot recession jumps		
	-		Out the Window-Roger W. Truesdail	Oct.	35
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce		31	Out the Window-Roger W. Truesdail	Oct.	35
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management	Nov.		Out the Window—Roger W. Truesdail WESTERN DEVELOPMENT		
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce———————————————————————————————————	Nov.	31 31	Out the Window—Roger W. Truesdail WESTERN DEVELOPMENT Atomic Energy Testing Station	May	97
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec.	31	Out the Window—Roger W. Truesdail WESTERN DEVELOPMENT	May Feb.	
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce———————————————————————————————————	Nov. Dec. Dec.		Out the Window—Roger W. Truesdail	May Feb. Mar.	97 86 43
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec. Dec.	31	Out the Window—Roger W. Truesdail	May Feb. Mar.	97 86
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More	Nov. Dec. Dec. Mar.	31 38 33	Out the Window—Roger W. Truesdail	May Feb. Mar. Jan.	97 86 43
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart.	Nov. Dec. Dec. Mar.	31 38	WESTERN DEVELOPMENT Atomic Energy Testing Station Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern	May Feb. Mar. Jan. Jan.	97 86 43
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More	Nov. Dec. Dec. Mar. July	31 38 33	Out the Window—Roger W. Truesdail	May Feb. Mar. Jan. Jan. Jan.	97 86 43 37 46 42
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec. Dec. Mar. July	31 38 33 42 38	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth. Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern. Population Growth Paces Industry in 10-Year Race for Golden West	May Feb. Mar. Jan. Jan. Jan.	97 86 43 37 46 42
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience	Nov. Dec. Dec. Mar. July	31 38 33 42	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth. Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern. Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk	May Feb. Mar. Jan. Jan. Jan.	97 86 43 37 46 42
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec. Dec. Mar. July July Aug.	31 38 33 42 38 27	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth. Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization	May Feb. Mar. Jan. Jan. Aug. May	97 86 43 37 46 42
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast	Nov. Dec. Dec. Mar. July July Aug. June	31 38 33 42 38	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth. Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress. Expansion Estimates to 1960 for Pacific Northwest Industries. Expansion Greater But Similar to Prewar Pattern. Population Growth Paces Industry in 10-Year Race for Golden West. Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way	May Feb. Mar. Jan. Jan. Jan. Aug. May	97 86 43 37 46 42 32 57 44
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec. Dec. Mar. July July Aug. June	31 38 33 42 38 27	WESTERN DEVELOPMENT Atomic Energy Testing Station Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems.	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan.	97 86 43 37 46 42 32 57 44
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec. Dec. Mar. July July Aug. June Aug.	31 38 33 42 38 27 29 36	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan.	97 86 43 37 46 42 32 57 44
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan.	31 38 33 42 38 27 29	WESTERN DEVELOPMENT Atomic Energy Testing Station Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan. May Feb.	97 86 43 37 46 42 32 57 44
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan.	31 38 33 42 38 27 29 36	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth. West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan. May Feb. July	97 86 43 37 46 42 32 57 44 56 86
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan.	31 38 33 42 38 27 29 36 39	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan. May Feb. July	97 86 43 37 46 42 32 57 44 56 86
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb.	31 38 33 42 38 27 29 36	WESTERN DEVELOPMENT Atomic Energy Testing Station Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. West's Big 7-Year Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers.	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July	97 86 43 37 46 42 32 57 44 56 86 40 29
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb.	31 38 33 42 38 27 29 36 39	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern. Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth. West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manu-	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct.	97 86 43 37 46 42 32 57 44 56 86
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. Aug.	31 38 33 42 38 27 29 36 39	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct.	97 86 43 37 46 42 32 57 44 56 86 40 29
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens.	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April	31 38 33 42 38 27 29 36 39	WESTERN DEVELOPMENT Atomic Energy Testing Station Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress. Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. West's Big 7-Year Industry Shows Rapid Growth West's Big 7-Year Industry Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July	97 86 43 37 46 42 32 57 44 56 86 40 29 42 78
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engi-	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. Aug. April	31 38 33 42 38 27 29 36 39 34 34 43	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth. West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends. Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy.	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July	97 86 43 37 46 42 32 57 44 56 86 40 29
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. Aug. April	31 38 33 42 38 27 29 36 39	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth. Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern. Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. West's Big 7-Year Industry Shows Rapid Growth. West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends. Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manu- facturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy. Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs.	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July	97 86 43 37 46 42 32 57 44 56 86 40 29 42 78
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell.	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov.	31 38 33 42 38 27 29 36 39 34 34 43 38	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends. Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July Feb. July	97 86 43 37 46 42 57 44 56 86 40 29 42 78 27 38
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell.	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov.	31 38 33 42 38 27 29 36 39 34 34 43 38	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy. Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in Metal Combination	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July Feb. July	97 86 43 37 46 42 32 57 44 56 86 40 29 42 78
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell. POLLUTION AND WASTES Industries Cooperate to Lessen Stream Pollution Rules and Regulations for Oil Pollution Control	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov. Nov. Nov.	31 38 33 42 38 27 29 36 39 34 43 38 96 97	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends. Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July Feb. July Feb. July	97 86 43 37 46 42 57 44 56 86 40 29 42 78 27 38
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell.	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov. Nov. Nov.	31 38 33 42 38 27 29 36 39 34 34 43 38	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern. Population Growth Paces Industry in 10-Year Race for Golden West Froposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs Brown, George F.—Copper Furnace Brazing Useful in Metal Combination Carpenter, Floyd R.—Aluminum Products Easy to Make If Proper Technique Is Used. Carson, L. J.—The Conveyor's Part in Moving Things	May Feb. Mar. Jan. Jan. Aug. May Jan. Oct. July Jan. Oct. July Feb. July Feb. July Feb. July Feb.	97 86 43 37 46 42 32 57 44 56 86 40 29 42 78 27 38 37 44
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell. POLLUTION AND WASTES Industries Cooperate to Lessen Stream Pollution Rules and Regulations for Oil Pollution Control. Significance of Chemical Factors in Industrial Waste.	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov. Nov. Nov. Jan.	31 38 33 42 38 27 29 36 39 34 43 38 96 97	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Foolute West Industry Industry Industry Industry Industrial Deventralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Dond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in Metal Combination Carpenter, Floyd R.—Aluminum Products Easy to Make If Proper Technique Is Used. Carson, L. J.—The Conveyor's Part in Moving Things From Here to There.	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July Feb. July Mar. Sept.	97 86 43 37 46 42 32 57 44 56 86 40 29 42 78 27 38 37 44 43
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell. POLLUTION AND WASTES Industries Cooperate to Lessen Stream Pollution. Rules and Regulations for Oil Pollution Control. Significance of Chemical Factors in Industrial Waste. Western Pulp Mills Eliminate Stream and Air Pollution	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov. Nov. Nov. Jan.	31 38 33 42 38 27 29 36 39 34 34 43 38 96 97 54	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in Metal Combination Carpenter, Floyd R.—Aluminum Products Easy to Make If Proper Technique Is Used Carson, L. J.—The Conveyor's Part in Moving Things From Here to There Cherne, Leo M.—You Don't Know Why They Join	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan. Oct. July Jan. Oct. July Feb. July Mar. Sept. May June	97 86 43 37 46 42 57 44 56 86 40 29 42 78 27 38 37 44 43 72
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell. POLLUTION AND WASTES Industries Cooperate to Lessen Stream Pollution. Rules and Regulations for Oil Pollution Control. Significance of Chemical Factors in Industrial Waste. Western Pulp Mills Eliminate Stream and Air Pollution	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov. Nov. Nov. Feb.	31 38 33 42 38 27 29 36 39 34 34 43 38 96 97 54 33	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Foolute West Industry Industry Industry Industry Industrial Deventralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Dond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in Metal Combination Carpenter, Floyd R.—Aluminum Products Easy to Make If Proper Technique Is Used. Carson, L. J.—The Conveyor's Part in Moving Things From Here to There.	May Feb. Mar. Jan. Jan. Jan. Aug. May Jan. Oct. July Jan. Oct. July Feb. July Mar. Sept. May June	97 86 43 37 46 42 32 57 44 56 86 40 29 42 78 27 38 37 44 43
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell. POLLUTION AND WASTES Industries Cooperate to Lessen Stream Pollution Rules and Regulations for Oil Pollution Control. Significance of Chemical Factors in Industrial Waste. Western Pulp Mills Eliminate Stream and Air Pollution RESOURCES Coal the Answer for Generating Power—B. P. Manley Economics of Coal for West Coast Power Generation.	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov. Nov. Nov. Nov. Jan. Feb.	31 38 33 42 38 27 29 36 39 34 34 43 38 96 97 54	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West. Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in Metal Combination Carpenter, Floyd R.—Aluminum Products Easy to Make If Proper Technique Is Used. Carson, L. J.—The Conveyor's Part in Moving Things From Here to There. Cherne, Leo M.—You Don't Know Why They Join Coffinberry, Arthur S.—Technological Gap Too Wide Cooper, R. J.—Angles to Be Considered About Details of Bulk Handling	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July Feb. July Mar. Sept. May June Sept.	97 86 43 37 46 42 57 44 56 86 40 29 42 78 27 38 37 44 43 72 34 52
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell. POLLUTION AND WASTES Industries Cooperate to Lessen Stream Pollution. Rules and Regulations for Oil Pollution Control. Significance of Chemical Factors in Industrial Waste. Western Pulp Mills Eliminate Stream and Air Pollution RESOURCES Coal the Answer for Generating Power—B. P. Manley Economics of Coal for West Coast Power Generation. Electric Needs Will Double in 20 Years	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov. Nov. Nov. Jan. Feb. May Mar.	31 38 33 42 38 27 29 36 39 34 43 38 96 97 54 33 62 94	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends. Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in Metal Combination Carpenter, Floyd R.—Aluminum Products Easy to Make If Proper Technique Is Used Carson, L. J.—The Conveyor's Part in Moving Things From Here to There Cherne, Leo M.—You Don't Know Why They Join Coffinberry, Arthur S.—Technological Gap Too Wide Cooper, R. J.—Angles to Be Considered About Details of Bulk Handling Crane, John F.—Combinations With Ceramics	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July Feb. July Mar. Sept. May June Sept.	97 86 43 37 46 42 32 57 44 56 86 40 29 42 78 27 38 37 44 43 72 34
Decrease Your Labor Cost, Hold High Quality by Simplifying—Chester Scarce Developing Tomorrow's Supply of Management Timber—Melvin E. Salveson. For Accurate Quality Control Make One Man Responsible—F. S. McGee. Inspection and Assembly Geared Together in Friden System Lab Decentralization Affords Better Quality, More Control—Dr. A. P. Stewart. Material Control: The Missing Key in Incentive Programs—Benjamin Borchardt Shortening the Field-to-Factory Gap: The Tuna Experience Taking the Curse Out of Seasonal Buying and Production Peaks—Graham B. Ridley. Time and Motion Study Service Set Up For Coast Industries—D. G. Malcolm. Tooling Requirements of the West's New Production Era—Walter A. Kassebohm. PLANT DESIGN AND CONSTRUCTION Infra Red Heating Changes Cold Barn Into Warm Working Spot New Major Development: Continuous Color Patterns in Decorative Clay Tile—Richard Harlan. Problems and Pitfalls Encountered in Planning New Power Plants—W. O. Stevens. To Make Your Plant a Production Machine, Engineer Its Design—George Vernon Russell. POLLUTION AND WASTES Industries Cooperate to Lessen Stream Pollution Rules and Regulations for Oil Pollution Control. Significance of Chemical Factors in Industrial Waste. Western Pulp Mills Eliminate Stream and Air Pollution RESOURCES Coal the Answer for Generating Power—B. P. Manley Economics of Coal for West Coast Power Generation.	Nov. Dec. Dec. Mar. July July Aug. June Aug. Jan. Feb. April Nov. Nov. Nov. Jan. Feb. May Mar.	31 38 33 42 38 27 29 36 39 34 34 43 38 96 97 54 33 62	WESTERN DEVELOPMENT Atomic Energy Testing Station. Coast Fertilizer Industry Shows Rapid Growth Common Interests of the West to Be Explored at Boise Developments of 1948 Reveal Imposing March of Progress Expansion Estimates to 1960 for Pacific Northwest Industries Expansion Greater But Similar to Prewar Pattern Expansion Greater But Similar to Prewar Pattern Population Growth Paces Industry in 10-Year Race for Golden West. Proposes Regional Economic Research—Harry J. Volk Significant Angles in Western Industrial Decentralization "United We Stick; Divided We're Stuck" Is the Way to Tackle the West's Problems. Western Fertilizer Industry Shows Rapid Growth West's Big 7-Year Industrial Growth Revealed by Census The World Moves West: "Western Industry" Takes Stock of Today's Regional Trends Axtell, Willard G.—Electropolishing of Metal Offers. Process Cheaper Than Burnishing. Blazer, Noel E.—Practical Solutions for Tricky Manufacturing Problems; Packaging Wrinkle Ironed Out Bond, Floyd A.—Solving Basing Point Problem by New Laws Not So Easy Borchardt, Benjamin—Material Control: The Missing Key in Incentive Programs. Brown, George F.—Copper Furnace Brazing Useful in Metal Combination Carpenter, Floyd R.—Aluminum Products Easy to Make If Proper Technique Is Used. Carson, L. J.—The Conveyor's Part in Moving Things From Here to There. Cherne, Leo M.—You Don't Know Why They Join Coffinberry, Arthur S.—Technological Gap Too Wide Cooper, R. J.—Angles to Be Considered About Details of Bulk Handling	May Feb. Mar. Jan. Jan. Aug. May Jan. May Feb. July Jan. Oct. July Feb. July Mar. Sept. May June Sept.	97 86 43 37 46 42 57 44 56 86 40 29 42 78 27 38 37 44 43 72 34 52

Authors

	Issue	Page		Issue	Page
Dice, Marion—Oil Man Declares Plenty in Reserve	May	61	McCoy, Roger D.—Take an Overall View of Your		4.
Engle, Nathanael H.—West's Home Market Has Big Potential	May	66	Materials Handling Problem		41
Finlay, Keith F. — Putting Shine on Stainless Steel	6	-	One Man Responsible		38
Weakens All But Sales Appeal Frey, Ralph A. — A Production Study: Overhauling		47	Nelson, James CHow the West Fares on Freight		
Airlift Planes in Oakland	July	29	Rates Oliver, William Harold—Apprentice Programs Will		64
Opens Uses for Iron, Steel	Sept.	48	Bring "Vanishing Craftsmen" Back	June	40
Gray, T. H.—Reduce Risks and Losses With Metal- lurgical Insurance	Sept.	55	Overseth, Dr. Oliver E. — Coast Fertilizer Industry Shows Rapid Growth	Feb.	86
Gross, Robert E.—Both the Boss and the Help Can Cash In If They Try	Dec.	43	Parkhurst, George L.—What It Takes For a Greater Western Chemical Industry	April	33
Hard, A. R. — Exploring the Possibilities in Light Metals Welding	Feb.	29	Pierson, Frank C.—How Taft-Hartley Act Worked Out in Southern California	Mar	88
Hargis, Richard W.—Forgings Need More Strength		37	Pike, T. J.—Incentive Management Works When You	AVAGE.	00
Harlan, Richard—New Major Development: Contin- uous Color Patterns in Decorative Clay Tile	Ang	34	Work at It	Feb.	32
Hawley, A How to Work the Incentive in an Incen-			Buying and Production Peaks	June	29
tive Plan That Works		31	Robins, Maj. Gen. Thomas M.—Electric Needs Will Double in 20 Years	Man	12
an Ear and Catch an Eye		42	Rosenblatt, Don—Receptive to New Processes		62 35
Heron, Alexander R.—How Management Can Keep From Losing Its Authority		45	Russell, George Vernon-To Make Your Plant a Pro-		
Hoffman, Fred S How Taft-Hartley Act Worked Out			duction Machine, Engineer Its Design		38
in Southern California	Mar.	88	of Management Timber	Dec.	31
Hilton, G. W.—Production Bottleneck Drilled Through		79	Scarce, Chester—Decrease Your Labor Cost, Hold High Quality by Simplifying	Nov.	31
Hunter, Harry—In the Good Old Summer Time Watch		40	Schaphorst, W. F.—Mechanical Kinks		91
Your Safety Program		46	Schaphorst, W. F.—Pump Problems Now Simplified Sharp, Joseph M.—Raise Production by Gearing Your		95
Competition Is Here		76	Policy to Employee Response	Nov.	42
Johnstone, Clifford—Western Gas Supply Perplexing Problem		60	Smith, E. K.—Foundries Find Fertile Field in Nodular Iron Castings		38
Karrer, L. E.—Solution of Northwest Power Problem Is Difficult		50	Smith, James G.—Timely Tips on Your Income Tax Stevens, W. O.—Problems and Pitfalls Encountered in	Feb.	83
Kassebohm, Walter A.—Tooling Requirements of The West's New Production Era		39	Planning New Power Plants	April	43
Kavenaugh, J. A Same Cost, Higher Sales Appeal		40	Stewart, Dr. A. P.—Lab Decentralization Affords Better Quality, More Control	July	42
With Proper Copper Alloy Kenyon, E. G.—Break-Even Point Must Be Found		72	Swett, Hubert C.—Things Helpful to Know About the Manufacture of Steel		37
Kraft, Fred W.—Should Overhaul Unemployment Larrieu, Leslie—Specification Zinc Base Alloy Devel-		74	Swett, Hubert C.—Things Helpful to Know About the Manufacture of Steel		42
oped Through Research		50	Truesdail, Roger W When Research Comes in the		
Littler, Robert-No Great Changes Under T-H Law		74	Door Recession Jumps Out the Window		35
Lyons, Eugene J.—Personnel Men's Function Today Mahoney, Dr. J. R.—No Adequate Approach to Water		74	Tyrrell, John F.—Low Ductile Alloys Form Complex Shapes, Using New Techniques		25
Conservation	May	56	Volk, Harry J.—Proposes Regional Economic		35
Malcolm, D. G.—Time and Motion Study Service Set Up for Coast Industries		36	Research	May	57
Manley, B. P.—Coal the Answer for Generating Power	May	62	Palletizing Will Pay Out	May	38
Marchi, John M.—More Metal in Building Mazzola, A.—Materials Handling Planning Takes on		37	Webb, Leland D. — West's Ingenuity Challenged by U. S. Aircraft Program	Feb.	35
Major Status	. Jan.	51	Woolley, A. C.—Wider Use of Light Metals	Sept.	36
R	egi	onal	Reviews		
Denver			Denver Hums With Activity While Pueblo Is KO'd by		
Gas and Power Shortage Loom in Colorado and	Yam	70	Labor Strife	Nov.	76
Wyoming		78	Los Angeles		
Petroleum Becomes Colorado's Most Valuable "Crop" Stable Industries Underwrite Healthy Regional		60	Cross Currents of More Home Hunters and Less Vacationists	. Jan.	70
In Spite of Record Snow and Blow Relatively Light		62	People Will Spend If You Cut Inflated Prices Down Business Graph Line on the Fence, Poised		48 52
Livestock Losses		60	Film Industry Stages a Comeback as Studios Divorce		
Denver's Economic, Industrial Outlook Mile High, Going Up	May	86	Los Angeles Goes Agricultural in 1948 Expansion		48
Big Denver Construction Project Spells Lush Times	S		Review	. May	74
For the State		63	Employment Fields	June	51
Industrialized Colorado Resources Development Council Breathes	July	60	Houses in Production B-36 Contract Shake-up Cushioned by Guided Missile		48
New Life Industrial Activity Increasing Faster Than National	. Aug.	60	Research		46
Average	Sept.	84	Television, Last Year's Babe, Now Outgrows Short Pants	Sept.	72
Metal Mining Industry Needs a Revitalization; Seek Subsidy	Oct.	76	Florida Citrus Growers Find a Juicy Market in California	Oct.	56
96			WESTERN INDUSTRY—Decem		1940

M-2 FOR SALE

2.38 acres, level ground, all util. 350'x327' at 45c sq. ft. New West Olympic distr. near new Packard-Bell development.
Phone for appointment.

HOWARD McCARRY, Realtor

12300½ W. Pico Blvd. AR. 9-0828 Los Angeles, California

GET READY CASH

For Used Machines, Tools, Conveyors, and Similar Equipment through our Classified Opportunity Section.

\$8.50 per Column Inch
will contact nearly 9,000 prospective buyers of your used or idle equipment! Act today! Send your copy to Copy Service Department

WESTERN INDUSTRY 609 Mission St. San Francisco 5, Calif.

Entire Floor Available In S. F. Building

Approximately 5,000 sq. ft. Well lighted. North of Market St., 1/2 block from busiest corner in San Francisco. Passenger and freight elevator. Suitable for offices, manufacturers' agent with sales force. Reasonable rent, including usual utilities, janitor service. Courtesy to brokers. Allied Properties, Real Estate Division, 745 Market St., San Francisco. EXbrook 2-1030.

M-2 FOR SALE

OLYMPIC BLVD. FRONTAGE Level ground, all util. 380'x670' at 42c sq. ft. Frontage 2 streets. New West Side Industrial Center. Phone for appointment.

HOWARD McCARRY, Realtor 12300½ W. Pico Blvd. AR. 9-0828 Los Angeles, California

ETCHING COMPANY OF AMERICA

55 New Montgomery Street

DOuglas 2-8434 San Francisco, Calif.



5509 SUNSET BLVD., HOLLYWOOD 28, CALIF.

SAVE THROUGH QUANTITY PRODUCTION

QUALITY 8x10 PHOTOS

THE LARGEST PHOTO REPRODUCTION PLANT IN THE WEST



	Issue	Page		Issue	Page
Roar of Military Activity Down to a Whisper After			Pacific Northwest		
Budget Cuts		58	New Industry Possibilities for Lower Columbia River		
Industrial Climate Favorable for Western Steel Users	Dec.	58	Area	Jan.	76
Salt Lake			Columbia Valley Development Program Gets Under Way	Feb.	57
New Records for Employment in Utah Hung Up in 1948	Jan.	80	Coal BTUs and Hydro Kilowatts Sought by Pacific		
Utah Has Good Year Behind It and Another One	Eck	10	Northwest	Маг.	58
Due AheadLabor Leaps to Launch Liberalizing Legislation		65 66	Northwest Opposes Columbia Basin CVA With Double	A	
	Mar.	00	Barreled Earful	April	56
Industry and Unions Bury Handle of the Hatchet in	April	65	Northwest Still Hog Fuel Minded Despite Dwindling	T	60
Lawmaking What He Save Swings Bushless		0)	Supply	June	58
Governor Lee Means What He Says; Swings Ruthless Axe on Budget		90	Co-op Groups of Small Timber Operators Urged	v 1	50
Influx of New Industries Makes for Robust Economic		90	to Keep Pace	July	58
Health		66	Portland		
Economic Soft Spots Start Showing as Price Spiral		00	Textile Industry in Portland Develops into Big Business	Aug.	58
Slowly, Unwinds	July	64	Upturn in Lumber Market Makes Economic Sun Shine		
Regional Readjustment Shows Moderate Business	3		on Northwest	Oct.	64
Decline	Aug.	64	Economists Say Business Is Better; Industrialists Hope	000	
New Industries Take Local Labor; Unemployment		0.	They're Right	Nov	66
Remains Static	Sept.	82	Expected Slow-Down in Forest Industries Fades Away		64
Utah Advocates Federal Economy; Government	oop	~	Expected Slow-Down in Potest industries rades Away	Dec.	04
Eliminates 1,700 Jobs	Oct.	78	Seattle		
New Steam Plants Set to Replace Hydro-Electric			Competition Sets on Business; Hatches Buyer's Market	Aug.	54
Power Generators	Nov.	80	Navy Lifts Alaska "Snow Curtain"; Reveals Natural		
Preliminary Plans for Upper Colorado Development		74	Gas Discovery	Sept.	78
			"Government Plots Against Private Industry"—Seattle		
San Francisco			Businessmen	Oct.	70
Election Returns Do Not Halt Industrial Development			Dollars For Heavy Construction Shine Like the		
Plans		74	Midnight Sun	Nov.	72
Western Industry Research Makes Excellent Showing	Feb.	52	Power Shortage Problems Show Up Month Earlier		
More Ford Parts Manufacturing For Northern			This Year	Dec.	70
California	. Mar.	56			
Western Industrial Expansions and New Capital	Ancil	54	COVER PICTURES		
Ventures Continuing		81	Western Industry—Symbolical	Jan.	
Nevada Sees a Good Thing and Passes Law to	Iviay	01	Indian Jewelry, Albuquerque	Feb.	
Promote It	Tune	54	Electrical Equipment Manufacturing, San Francisco	Mar.	
Eastern Manufacturers Seek Gold From Golden	. ,		Pulp and Paper, Bellingham	April	
Western Markets	. July	56	Milk—Oakland	May	
Freight Traffic Trends Toward Trucks, With Rails	, ,		Shipbuilding, Portland		
Trailing	. Aug.	50	Oil Well Tool Factory, Compton		
Year's Bay Area Investments Exceed 216 Million			Oil Company, Richmond		
Dollars	. Sept.	76	Pail Manufacturing, Richmond		
Airline Rate War Whips Up the Competition With	0.	10	Blanket Loom, Portland		
Railroads	. Oct.	60	Icing Machine for Refrigerator Cars		
Geneva Rate Case Decision Does Not End There;	Mor	62	Linoleum, Oakland		
Questions Arise	. INOV.	62	Linoleum, Oakland	Dec.	